

SIAIS164018 hydrochloride

Chemical Properties

CAS No. :

Formula: C43H49Cl2N10O7P

Molecular Weight: 919.79

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	SIAIS164018 hydrochloride is a PROTAC-based degrader targeting ALK and EGFR, exhibiting IC50 values of 2.5 nM for ALK and 6.6 nM for ALK G1202R. It effectively suppresses cancer cell migration and invasion, induces G1 cell cycle arrest, and promotes apoptosis, demonstrating superior properties compared to Brigatinib [1].
Targets(IC50)	Apoptosis,EGFR,ALK,PROTACs
In vitro	SIAIS164018 hydrochloride (0-1 µM; 16 hours) significantly inhibits cell proliferation in SR cells [1]. Compared to Brigatinib, SIAIS164018 hydrochloride (0-100 nM; 72 h) demonstrates superior inhibition of cell proliferation in 293T cells overexpressing ALK (G1202R) and H1975 cells expressing EGFR [1]. SIAIS164018 hydrochloride (100 nM; 24 or 48 hours) induces significant G1 cell cycle arrest in ALK-negative Calu-1 and MDA-MB-231 cells [1]. Additionally, SIAIS164018 hydrochloride (0.01-1000 nM; 16 hours) downregulates protein levels of FAK, PYK2, FER, RSK1, and GAK in both ALK-positive SR cell lines and ALK-negative Calu-1 cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0872 mL	5.436 mL	10.872 mL
5 mM	0.2174 mL	1.0872 mL	2.1744 mL
10 mM	0.1087 mL	0.5436 mL	1.0872 mL
50 mM	0.0217 mL	0.1087 mL	0.2174 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481